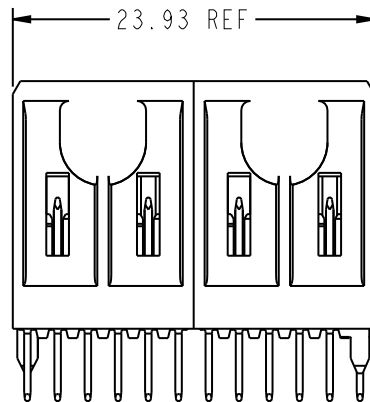
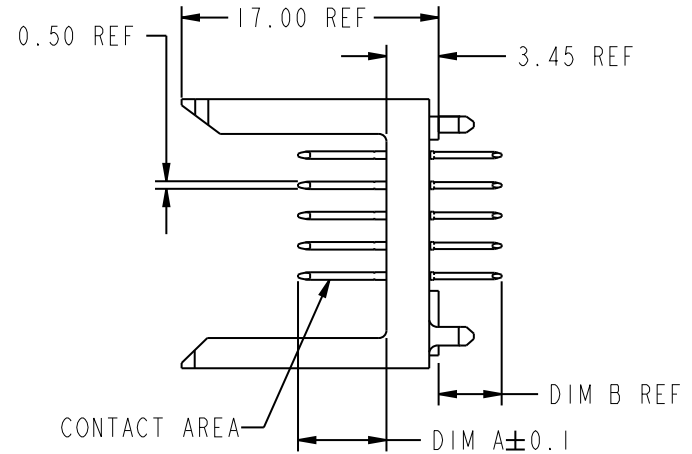
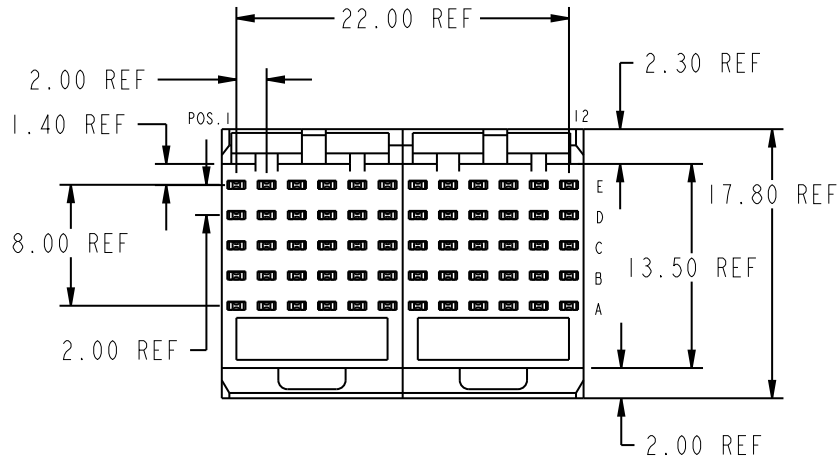


PRODUCT NUMBER  
74742-XY  
74742-XYLF

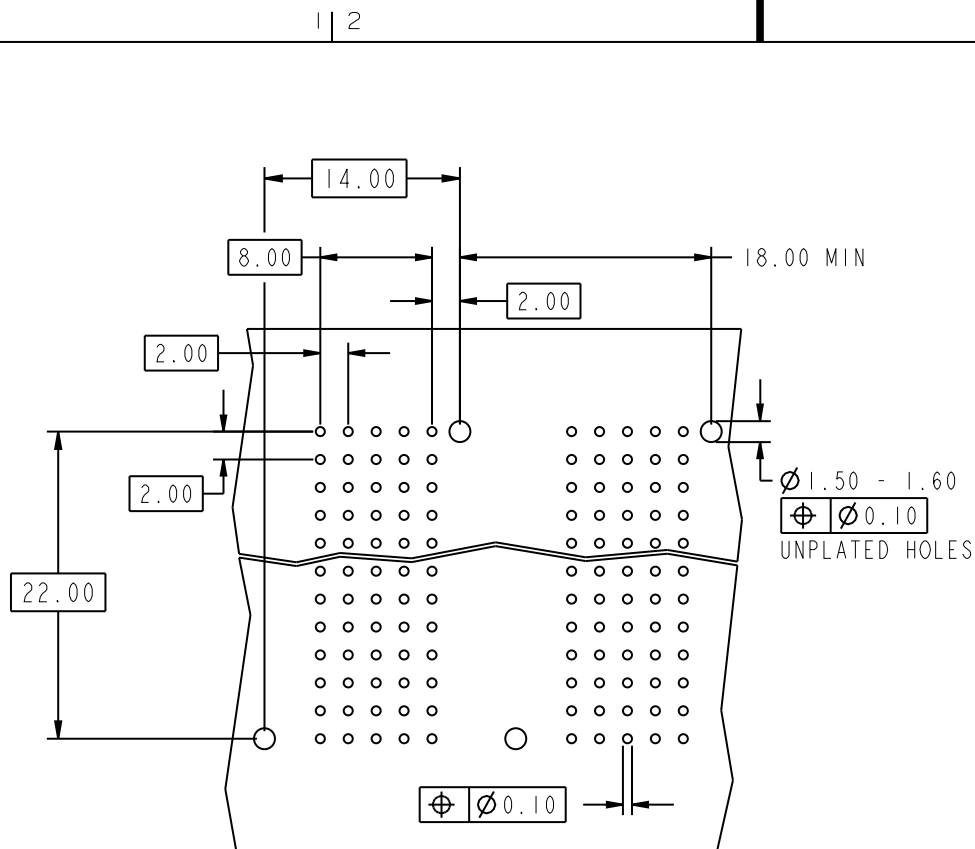


|            |           |     |            |        |            |                                       |            |          |   |                           |        |
|------------|-----------|-----|------------|--------|------------|---------------------------------------|------------|----------|---|---------------------------|--------|
| mat'l code |           |     |            | --     |            | tolerances unless otherwise specified |            | CUSTOMER |   | FCJ<br>www.fciconnect.com |        |
| ltr        | ecn no.   | dr  | date       | linear | 0.X ±0.3   |                                       | COPY       |          | title<br>METRAL SIGNAL HEADER<br>2 MOD, 5 ROW STB |                           |        |
| K          | V06-0544  | DCH | 2006-06-09 |        | 0.XX ±0.13 |                                       | projection |          |   |                           |        |
| L          | DG09-0256 | TER | 2009-08-19 |        | .XXX ±.051 |                                       |            |          |   |                           |        |
| -          | -         | -   | -          | angles | 0° ±2°     |                                       |            |          | product family METRAL code                        |                           |        |
| F          | V21671    | TAB | 10/21/02   | dr     | T.BRUNGARD | 11/19/99                              | MM         |          | size  |                           | 213    |
| G          | V03-1059  | DAI | 09/24/03   | engr   | M.STRAWSER | 11/19/99                              | ← MM →     |          | dwg no  |                           | 1 of 5 |
| H          | V05-1064  | LP  | 11/21/05   | chr    | M.STRAWSER | 11/19/99                              | scale      |          | A   |                           | 74742  |
| J          | V06-0057  | DAI | 02/08/06   | appd   | M.STRAWSER | 2/29/00                               | 2:1        |          |   |                           |        |
| sheet      | revision  | L   | L          | L      | L          | L                                     |            |          |   |                           |        |
| index      | sheet     | 1   | 2          | 3      | 4          | 5                                     |            |          |   |                           |        |

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REQUIRED PC BOARD LAYOUT  
COMPONENT SIDE

SEE PRINT 58351 FOR  
ADDITIONAL PCB INFORMATION

| KEY (SIGNAL STB) |              |              |
|------------------|--------------|--------------|
| CODE             | DIMENSIONS   |              |
|                  | DIM "A" MATE | DIM "B" TAIL |
| 1                | 5.00         | 4.25         |
| 2                | 5.75         | 4.25         |
| 3                | 6.50         | 4.25         |
| 4                | 7.25         | 4.25         |
| 5                | 5.00         | 3.30         |
| 6                | 5.75         | 3.30         |
| 7                | 6.50         | 3.30         |
| 8                | 7.25         | 3.30         |
| 9                | 5.00         | 2.65         |
| 10               | 5.75         | 2.65         |
| 11               | 6.50         | 2.65         |
| 12               | 6.50         | 2.65         |
| 13               | 8.00         | 4.25         |

|             |                |    |      |                                       |            |          |              |                        |   |       |
|-------------|----------------|----|------|---------------------------------------|------------|----------|--------------|------------------------|---|-------|
| mat'l code  |                |    |      | tolerances unless otherwise specified |            | CUSTOMER |              | <br>www.fciconnect.com |   |       |
| ltr         | ecn no.        | dr | date | linear                                | 0.X ±0.3   | COPY     |              | projection             | title<br>METRAL SIGNAL HEADER<br>2 MOD, 5 ROW STB |       |
| L           |                |    |      |                                       | 0.XX ±0.13 |          |              |                        |   |       |
|             |                |    |      |                                       | .XXX ±.051 |          |              |                        |   |       |
|             |                |    |      | angles                                | 0° ±2°     | MM       |              | product family         | METRAL  |       |
|             |                |    |      | dr                                    | T.BRUNGARD | 11/19/99 | scale<br>1:1 | size                   | dwg no  |       |
|             |                |    |      | engr                                  | M.STRAWSER | 11/19/99 |              | A                      | 74742   | code  |
|             |                |    |      | chr                                   | M.STRAWSER | 11/19/99 |              |                        |   | 213   |
|             |                |    |      | appd                                  | M.STRAWSER | 2/29/00  |              |                        |   | sheet |
| sheet index | revision sheet |    |      |                                       |            |          |              |                        |   |       |

cage code 22526



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| 2  |     |                     |   |   |   |   |        |   |   |   |    | 3          |  |                     |    |   |   |   |        |   |   |   |   | 4          |     |  |    |    |    |   |        |   |   |   |   |   |   |   |  |    |    |   |   |   |   |   |   |   |   |   |   |
|--|-----|---------------------|---|---|---|---|--------|---|---|---|----|------------|--|---------------------|----|---|---|---|--------|---|---|---|---|------------|-----|--|----|----|----|---|--------|---|---|---|---|---|---|---|--|----|----|---|---|---|---|---|---|---|---|---|---|
| METRAL P/N                                     | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    | METRAL P/N | ROW  | CONTACT CODE MOD. 1 |    |   |   |   | MOD. 2 |   |   |   |   | METRAL P/N | ROW | CONTACT CODE MOD. 1                            |    |    |    |   | MOD. 2 |   |   |   |   |   |   |   |  |    |    |   |   |   |   |   |   |   |   |   |   |
|  |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 |            |  | 11                  | 12 | 1 | 2 | 3 | 4      | 5 | 6 | 7 | 8 |            |     | 9  | 10 | 11 | 12 | 1 | 2      | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10   | 11 | 12 |   |   |   |   |   |   |   |   |   |   |
| 74742-X01<br>SEE NOTE 9<br>LEAD FREE<br>OPTION | E   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3          | 74742-X07<br>SEE NOTE 9<br>LEAD FREE<br>OPTION | E                   | 2  | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2 | 2          | 2   | 74742-X32<br>SEE NOTE 9<br>LEAD FREE<br>OPTION | E  | 5  | 5  | 5 | 5      | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 74742-X36<br>SEE NOTE 9<br>LEAD FREE<br>OPTION | E  | 6  | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
|  | D   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3          |  | D                   | 2  | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2 | 2          | 2   |  | D  | 5  | 5  | 5 | 5      | 5 | 5 | 5 | 5 | 5 | 5 | 5 |  | D  | 6  | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
|  | C   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3          |  | C                   | 2  | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2 | 2          | 2   |  | C  | 5  | 5  | 5 | 5      | 5 | 5 | 5 | 5 | 5 | 5 | 5 |  | C  | 6  | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
|  | B   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3          |  | B                   | 2  | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2 | 2          | 2   |  | B  | 5  | 5  | 5 | 5      | 5 | 5 | 5 | 5 | 5 | 5 | 5 |  | B  | 6  | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
|  | A   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3          |  | A                   | 2  | 2 | 2 | 2 | 2      | 2 | 2 | 2 | 2 | 2          | 2   |  | A  | 5  | 5  | 5 | 5      | 5 | 5 | 5 | 5 | 5 | 5 | 5 |  | A  | 6  | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

|             |         |                |      |                                       |            |          |        |            |                      |                    |      |
|-------------|---------|----------------|------|---------------------------------------|------------|----------|--------|------------|----------------------|--------------------|------|
| mat'l code  |         |                |      | tolerances unless otherwise specified |            |          |        | CUSTOMER   |                      | FCJ                |      |
| ltr         | ecr no. | dr             | date | linear                                | 0.X ±0.3   |          |        | COPY       |                      | www.fcjconnect.com |      |
| L           |         |                |      | angles                                | 0.XX ±0.13 |          |        | projection |                      | title              |      |
|             |         |                |      | dr                                    | T.BRUNGARD | 11/19/99 | MM     |            | METRAL SIGNAL HEADER |                    |      |
|             |         |                |      | enrg                                  | M.STRAWSE  | 11/19/99 | ← MM → |            | 2 MOD, 5 ROW STB     |                    |      |
|             |         |                |      | chr                                   | M.STRAWSE  | 11/19/99 | scale  |            | product family       |                    | code |
|             |         |                |      | appd                                  | M.STRAWSE  | 2/29/00  | 1:1    |            | METRAL               |                    | 213  |
| sheet index |         | revision sheet |      |                                       |            |          |        | size       |                      | sheet              |      |
|             |         |                |      |                                       |            |          |        | A          |                      | 3                  |      |
|             |         |                |      |                                       |            |          |        | 74742      |                      | 3                  |      |
|             |         |                |      |                                       |            |          |        | cage code  |                      | 4                  |      |
|             |         |                |      |                                       |            |          |        | 22526      |                      | 4                  |      |

| METRAL P/N                                     | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|  |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 74742-X63<br>SEE NOTE 9<br>LEAD FREE<br>OPTION | E   | 9                   | 9 | 9 | 9 | 9 | 9      | 9 | 9 | 9 | 9  | 9  | 9  |
|  | D   | 9                   | 9 | 9 | 9 | 9 | 9      | 9 | 9 | 9 | 9  | 9  | 9  |
|  | C   | 9                   | 9 | 9 | 9 | 9 | 9      | 9 | 9 | 9 | 9  | 9  | 9  |
|  | B   | 9                   | 9 | 9 | 9 | 9 | 9      | 9 | 9 | 9 | 9  | 9  | 9  |
|  | A   | 1                   | 1 | 1 | 1 | 1 | 1      | 1 | 1 | 1 | 1  | 1  | 1  |


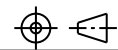
| METRAL P/N                                     | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 74742-X64<br>SEE NOTE 9<br>LEAD FREE<br>OPTION | E   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|  | D   | 1                   | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |
|  | C   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|  | B   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|  | A   | 1                   | 1  | 1  | 1  | 1  | 1      | 1  | 1  | 1  | 1  | 1  | 1  |

| METRAL P/N                                     | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 74742-X65<br>SEE NOTE 9<br>LEAD FREE<br>OPTION | E   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|  | D   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|  | C   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|  | B   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|  | A   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N                                     | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 74742-X66<br>SEE NOTE 9<br>LEAD FREE<br>OPTION | E   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|  | D   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|  | C   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|  | B   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |
|  | A   | 10                  | 10 | 10 | 10 | 10 | 10     | 10 | 10 | 10 | 10 | 10 | 10 |

| METRAL P/N                                     | ROW | CONTACT CODE MOD. 1 |    |    |    |    | MOD. 2 |    |    |    |    |    |    |
|--|-----|---------------------|----|----|----|----|--------|----|----|----|----|----|----|
|  |     | 1                   | 2  | 3  | 4  | 5  | 6      | 7  | 8  | 9  | 10 | 11 | 12 |
| 74742-X67<br>SEE NOTE 9<br>LEAD FREE<br>OPTION | E   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|  | D   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|  | C   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|  | B   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |
|  | A   | 12                  | 12 | 12 | 12 | 12 | 12     | 12 | 12 | 12 | 12 | 12 | 12 |

| METRAL P/N                                     | ROW | CONTACT CODE MOD. 1 |   |   |   |   | MOD. 2 |   |   |   |    |    |    |
|--|-----|---------------------|---|---|---|---|--------|---|---|---|----|----|----|
|  |     | 1                   | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
| 74742-X99<br>SEE NOTE 9<br>LEAD FREE<br>OPTION | E   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 1  | 13 |
|  | D   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 13 |
|  | C   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 13 |
|  | B   | 3                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 13 |
|  | A   | 1                   | 3 | 3 | 3 | 3 | 3      | 3 | 3 | 3 | 3  | 3  | 13 |

|             |         |                |      |                                       |            |                      |                |   |   |
|-------------|---------|----------------|------|---------------------------------------|------------|----------------------|----------------|---|---|
| mat'l code  |         | --             |      | tolerances unless otherwise specified |            | CUSTOMER             |                | <br>www.fciconnect.com |   |
| ltr         | ecn no. | dr             | date | linear                                | 0.X ±0.3   | COPY                 |                | projection  |  |
| L           |         |                |      |                                       | 0.XX ±0.13 | title                |                |   |   |
|             |         |                |      |                                       | .XXX ±.051 | METRAL SIGNAL HEADER |                |   |   |
|             |         |                |      | angles                                | 0° ±2°     |                      |                | 2 MOD, 5 ROW STB  |   |
|             |         |                |      | dr                                    | T.BRUNGARD | 11/19/99             | product family |   | METRAL  |
|             |         |                |      | engr                                  | M.STRAWSER | 11/19/99             | code           |   | 213   |
|             |         |                |      | chr                                   | M.STRAWSER | 11/19/99             | size           |   | A   |
|             |         |                |      | appd                                  | M.STRAWSER | 2/29/00              | dwg no         |   | 74742   |
| sheet index |         | revision sheet |      |                                       |            | scale                |                | 1:1   |   |
|             |         |                |      |                                       |            |                      |                | sheet   |   |
|             |         |                |      |                                       |            |                      |                | 4   |   |



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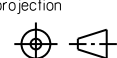


|                |
|----------------|
| PRODUCT NUMBER |
| 74742-XYX      |
| 74742-XYLX     |

| PLATING IN CONTACT AREA |                                   |            |
|-------------------------|-----------------------------------|------------|
| DASH NUMBER             | PERFORMANCE LEVEL                 | NOTES      |
| -N1YY                   | TELCORDIA CO (NXT)                | -          |
| -N5YY                   | TELCORDIA UE (NXT)                | -          |
| -1YY                    | TELCORDIA CO                      | -          |
| -2YY                    | TELECOM CLASS                     | -          |
| -3YY                    | IEC CLASS I                       | -          |
| -5YY                    | TELCORDIA UE                      | -          |
| -N1YYLF                 | TELCORDIA CO (NXT)<br>IEC CLASS I | SEE NOTE 8 |
| -N5YYLF                 | TELCORDIA UE (NXT)                | SEE NOTE 8 |
| -1YYLF                  | TELCORDIA CO<br>IEC CLASS I       | SEE NOTE 8 |
| -2YYLF                  | TELECOM CLASS                     | SEE NOTE 8 |
| -5YYLF                  | TELCORDIA UE                      | SEE NOTE 8 |

NOTES:

- FOR DIM A, AND B SEE SHEET 2 AND UP.
- BODY MATERIAL: LIQUID CRYSTAL POLYMER 30 % GLASS.  
FLAME RETARDANT ACC. UL 94-V0.
- PIN MATERIAL  
PHOSPHOR BRONZE:
- PLATING ON PRESS FIT TAIL:  
74742-XYX IS SnPb.  
74742-XYLX IS Sn (LEAD FREE)  
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE.
- PRODUCT MARKING:  
PART NUMBER DESIGNATION & BATCH I.D.
- ALL PRODUCTS WITH PART NUMBERS SHOWN IN SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES.  
IF TRAY PACKAGING IS REQUIRED, SUFFIX "P" WILL BE ADDED TO THE END OF THE PART NUMBER. EXAMPLE: 74742-XXXP OR 74742-XXXPLF
- PRODUCT SPECIFICATION GS-12-180  
APPLICATION SPECIFICATION BUS-20-074
- THE PRODUCTS WHERE THE PART NUMBERS ENDS IN "LF" MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING (DRAWING NO.) -N1--- OR (DRAWING NO.) -N5--- WILL WITHSTAND EXPOSURE TO 260° C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. PART NUMBERS(DRAWING NO.) -N1--- AND (DRAWINGS NO.) -N5--- WILL NOT WITHSTAND REFLOW AND Au CONTACT SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM OF 140° C FOR NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.  
FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.  
EXAMPLE: 74742-X01LF

|             |                |      |            |                                       |            |   |  |   |       |                  |  |
|-------------|----------------|------|------------|---------------------------------------|------------|---|--|---|-------|------------------|--|
| mat'l code  |                |      |            | tolerances unless otherwise specified |            | CUSTOMER  |  | <br>www.fciconnect.com |       |                  |  |
| ltr         | ecn no.        | dr   | date       | linear                                | 0.X ±0.3   | projection  |               | title   |       |                  |  |
| L           |                |      |            |                                       | 0.XX ±0.13 |   |  | METRAL SIGNAL HEADER  |       | 2 MOD, 5 ROW STB |  |
|             |                |      |            |                                       | .XXX ±.051 |   |  |   |       |                  |  |
|             |                |      |            | angles                                | 0° ±2°     | <br>MM | <br>scale 1:1 | product family  |       |                  |  |
|             |                | dr   | T.BRUNGARD | 11/19/99                              | METRAL     |   |  | code  | 213   |                  |  |
|             |                | enrg | M.STRAWSER | 11/19/99                              | size       |   |  | dwg no  | 74742 | sheet            |  |
|             |                | chr  | M.STRAWSER | 11/19/99                              | A          |   |  | 5   |       |                  |  |
|             |                | appd | M.STRAWSER | 2/29/00                               |            |   |  |   |       |                  |  |
| sheet index | revision sheet |      |            |                                       |            |   |  |   |       |                  |  |



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